

Converting Colors

$Y_{xy}(15.8150, 0.2714, 0.4637)$

Have a look what the booklet for
Yxy(15.8150, 0.2714, 0.4637)
contains.

Yxy(15.9200, 0.2714, 0.4643)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.9200, 0.2714, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	1C7F4A
RGB	28, 127, 74
RGB Percent	11%, 50%, 29%
CMY	0.8899, 0.5020, 0.7098
CMYK	0.78, 0.00, 0.42, 0.50
HSL	148°, 64%, 30%
HSV	148°, 78%, 50%
XYZ	9.3058, 15.9200, 9.0624
YIQ	91.3570, -41.9910, -37.4710

Conversions

Conversions Part 2

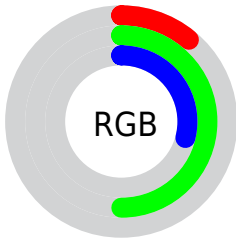
Format	Color
R_{YB}	28, 96, 127
Decimal	1867594
CIE _{Lab}	46.87, -40.54, 21.07
CIE _{LCh}	47, 45.689, 152.533
Yxy	15.9200, 0.2714, 0.4643
Android (android.graphics.Color)	4280057674 (0xFF1C7F4A)
YUV	91.3570, -8.5570, -55.5641
Hunter-Lab	39.8999, -28.1934, 14.4635

Details

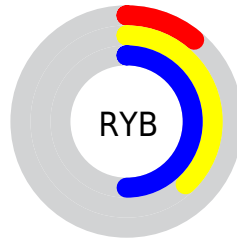
The Yxy color **15.9200, 0.2714, 0.4643** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.9405, 0.4266, 0.2378**, and the grayscale version is **10.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6017, 0.2838, 0.4289**, and **5.3965, 0.2785, 0.5227** is the 20% darker color. If you saturate the color by 10%, you get **15.6907, 0.2719, 0.4841**, and if you desaturate by 10%, it is **16.2362, 0.2727, 0.4440**.

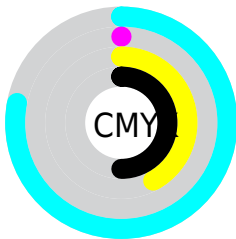
Distribution



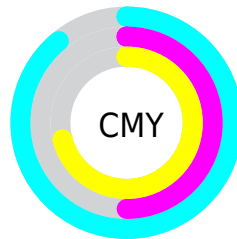
- Red (11%)
- Green (50%)
- Blue (29%)



- Red (11%)
- Yellow (38%)
- Blue (50%)



- Cyan (78%)
- Magenta (0%)
- Yellow (42%)
- Black (50%)




- Cyan (89%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9200, 0.2714, 0.4643 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.9200, 0.2714, 0.4643 by changing the saturation by 10% instead.


 15.9200, 0.2714,
0.4643


 15.9200, 0.2714,
0.4643


228.8692, 0.2983,
0.3797

 9.4676, 0.2611,
0.4943


 36.4593, 0.2834,
0.4279


 5.0474, 0.2444,
0.5406

 51.3149, 0.2871,
0.4161

 2.2751, 0.2169,
0.6284

 69.7403, 0.2900,
0.4069

 0.7605, 0.0000,
1.0000

 92.1201, 0.2924,
0.3993

 0.0000, 0.0000,
0.0000

 118.8384, 0.2943,
0.3931

 150.2798, 0.2958,

0.3879

186.8286, 0.2972,
0.3835

■ 15.9200, 0.2714,
0.4643

■ 15.9200, 0.2714,
0.4643

■ 15.6907, 0.2719,
0.4841

■ 16.2362, 0.2727,
0.4440

■ 15.5260, 0.2738,
0.5031

■ 16.6461, 0.2758,
0.4239

■ 15.4938, 0.2742,
0.5071

■ 17.1580, 0.2802,
0.4045

■ 17.7787, 0.2858,
0.3861

■ 18.5145, 0.2923,
0.3690

■ 19.3710, 0.2994,
0.3533

■ 20.3537, 0.3068,
0.3392

■ 21.4675, 0.3143,
0.3265

■ 22.7172, 0.3218,
0.3152

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.9200, 0.3562, 0.4984



15.9200, 0.2714, 0.4643



15.9200, 0.2026, 0.3707

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.9200, 0.2714, 0.4643



15.9200, 0.1907, 0.1962



15.9200, 0.4850, 0.3425

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.9200, 0.2714, 0.4643



5.9405, 0.4266, 0.2378

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.9200, 0.4277, 0.2821



15.9200, 0.2714, 0.4643



15.9200, 0.2494, 0.2023

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.9200, 0.2714, 0.4643



15.9200, 0.1631, 0.2188



15.9200, 0.3359, 0.2326



15.9200, 0.4843, 0.4070

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.9200, 0.2714, 0.4643



15.9200, 0.1745, 0.3050



15.9200, 0.3359, 0.2326



15.9200, 0.4719, 0.3216

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.9206, 0.2714, 0.4643



33.7966, 0.2953, 0.3620



17.0778, 0.3516, 0.5303



7.8048, 0.2932, 0.3670



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.9206, 0.2714, 0.4643



27.8844, 0.2734, 0.4981



16.8325, 0.2341, 0.3401



4.8494, 0.3059, 0.3408



15.6262, 0.2742, 0.5071



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.9405, 0.4266, 0.2378



9.1445, 0.4639, 0.2380



5.4555, 0.5590, 0.3229



4.3798, 0.3202, 0.3175



4.9714, 0.4749, 0.2390



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9200, 0.2714, 0.4643 looks on a white background.

Color Contrast Check

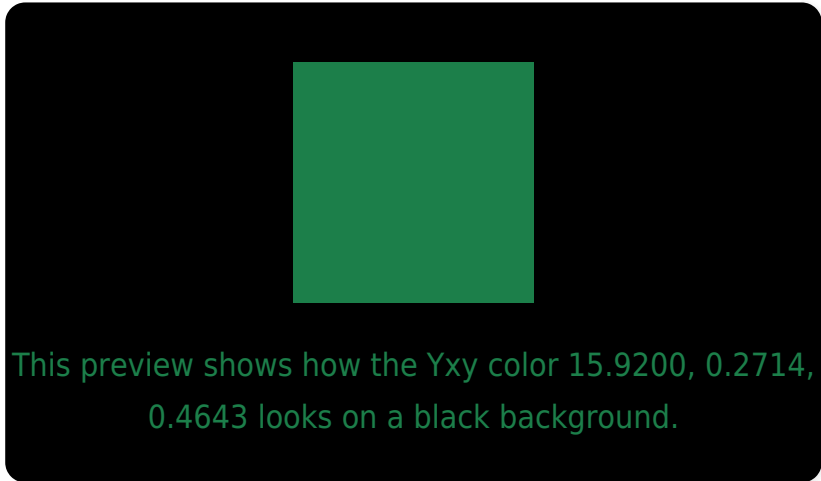
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

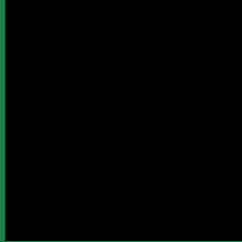
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9200, 0.2714, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 15.9200, 0.2714, 0.4643.



This preview shows how white text looks on a background with the Yxy color 15.9200, 0.2714, 0.4643.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.9200, 0.2714, 0.4643

Protanopia

15.6342, 0.3831, 0.4129

Deuteranopia

15.6979, 0.3864, 0.3809



Tritanopia

15.8015, 0.2370, 0.3066

Trichromacy



Original Color

15.9200, 0.2714, 0.4643

Protanomaly

14.9592, 0.3286, 0.4358

Deuteranomaly

14.9501, 0.3308, 0.4130

Tritanomaly

15.8272, 0.2486, 0.3598

Monochromacy



Original Color

15.9200, 0.2714, 0.4643

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.7854, 0.2880, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9200, 0.2714, 0.4643 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(28, 127, 74)` looks like.

```
.text, #text, p{  
    color:rgb(28, 127, 74)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(28, 127, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 127, 74) }
```

Border

The CSS property to change the border of an element to Yxy 15.9200, 0.2714, 0.4643 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(28, 127, 74) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(28, 127, 74) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(28, 127, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 127, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 127, 74);  
box-shadow:4px 4px 4px 4px rgb(28, 127,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9200, 0.2714, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 127, 74) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(28, 127,  
74) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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